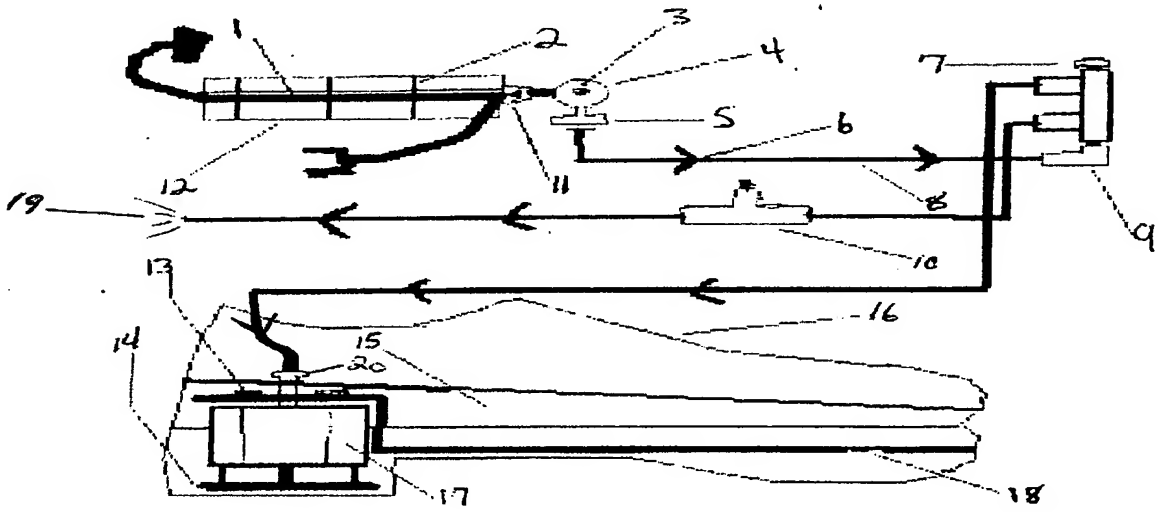
The Levitating Shoe

Drawings (Figures)

1- Co2 Tank.
2- Fasteners for securing the Co2 tank to the waist belt.
3- Air pressure adjustment screw (P.S.I - up or down).
4- Regulator.
5- Air speed control valve.
6- Air flow direction.
7- Three way valve switch for controling Co2 pressure to the shoe and up or down movement of the shoe cylinder.
8- 5/32 polyurethane air line.
9- Rotary joint elbow.
10- In line air speed control valve.

Drawing - 1

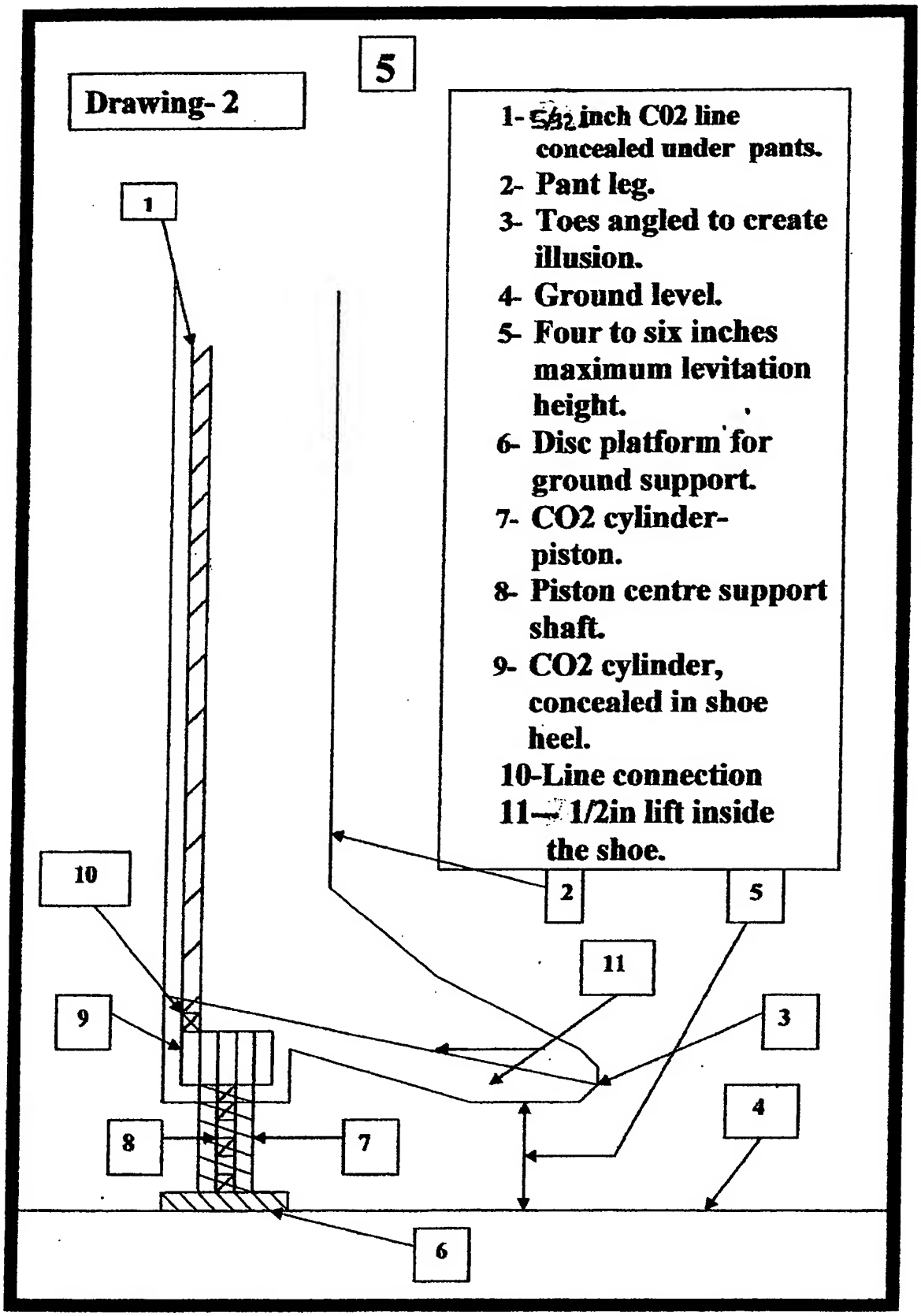


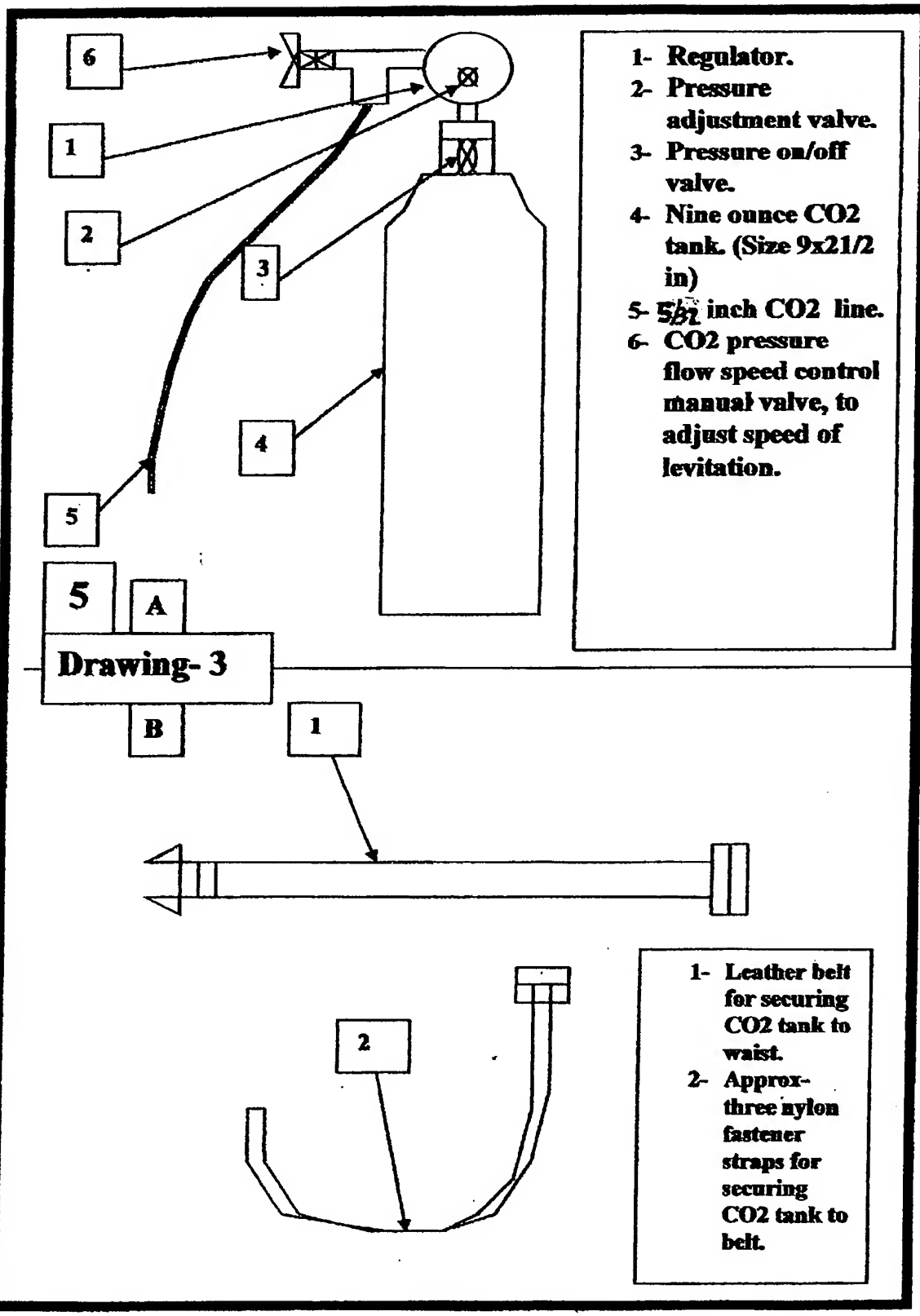
11- Air pressure on/off valve.
12- Co2 tank.
13- Air cylinder mounting bolts.
14- Air cylinder platform.
15- 1/2 inch lift inside shoe.
16- Shoe (custom designed).
17- Air cylinder.
18- Metal support mounting plate.
19- Air pressure exit(when three way valve button is released).
20-Air pressure in and out port (part of air/shoe cylinder).

5

Drawing- 2

1- 5/32 inch C02 line concealed under pants.
2- Pant leg.
3- Toes angled to create illusion.
4- Ground level.
5- Four to six inches maximum levitation height.
6- Disc platform for ground support.
7- CO2 cylinder-piston.
8- Piston centre support shaft.
9- CO2 cylinder, concealed in shoe heel.
10-Line connection
11- 1/2in lift inside the shoe.




6
1
2
3
4
5
5
A
Drawing- 3
B
1
2
1- Regulator.
2- Pressure adjustment valve.
3- Pressure on/off valve.
4- Nine ounce CO2 tank. (Size 9x21/2 in)
5- 5/32 inch CO2 line.
6- CO2 pressure flow speed control manual valve, to adjust speed of levitation.
1- Leather belt for securing CO2 tank to waist.
2- Approx- three nylon fastener straps for securing CO2 tank to belt.

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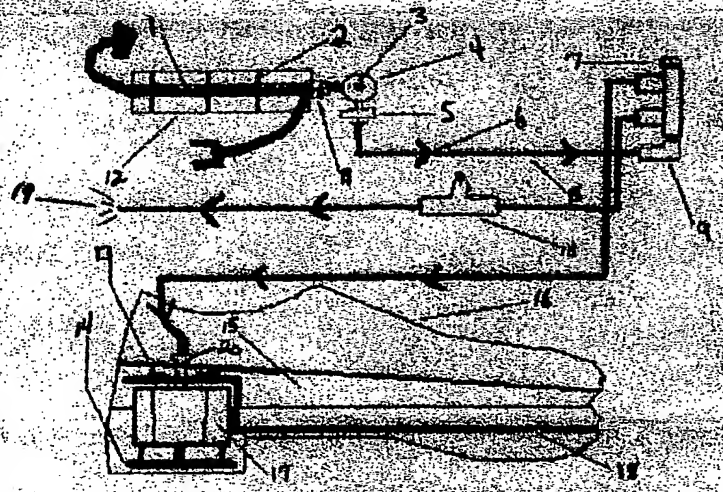
Drawing - 1



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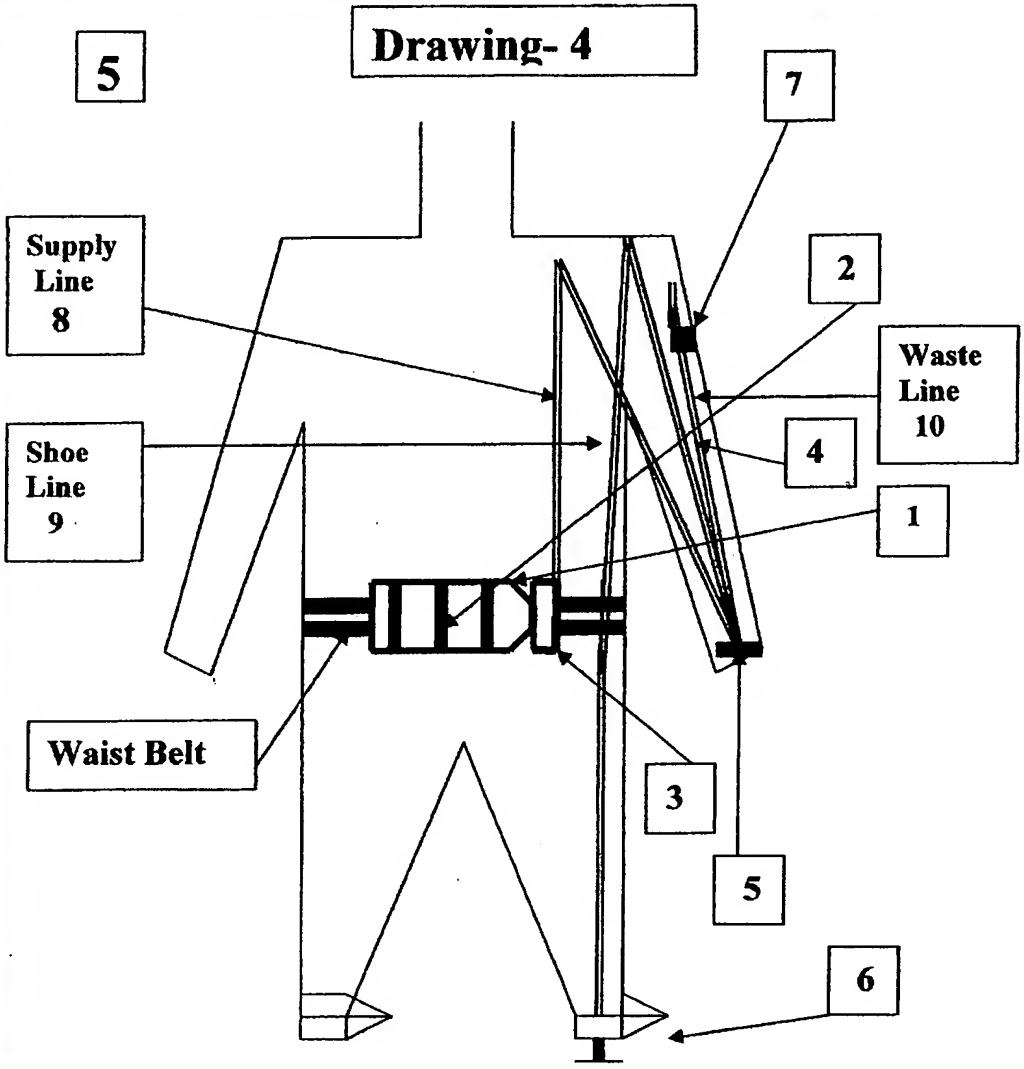
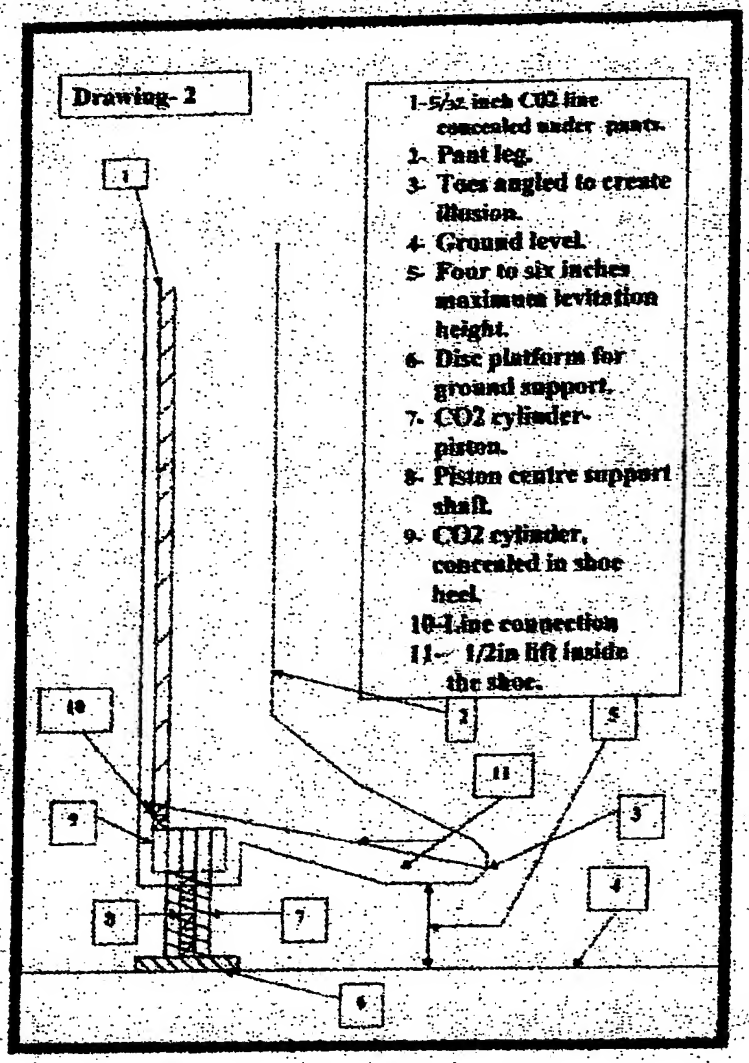


1- CO2 tank.
2- Fastener straps for securing tank to waist belt.
3- Air speed control valve.
4- Polyurethane waste line, extending from the valve switch, up the arm and over the shoulder.
5- Three way valve switch for manual control of up and down movement of cylinder.
6- CO2 cylinder piston shaft, extend-from shoe.
7- In line air speed control valve.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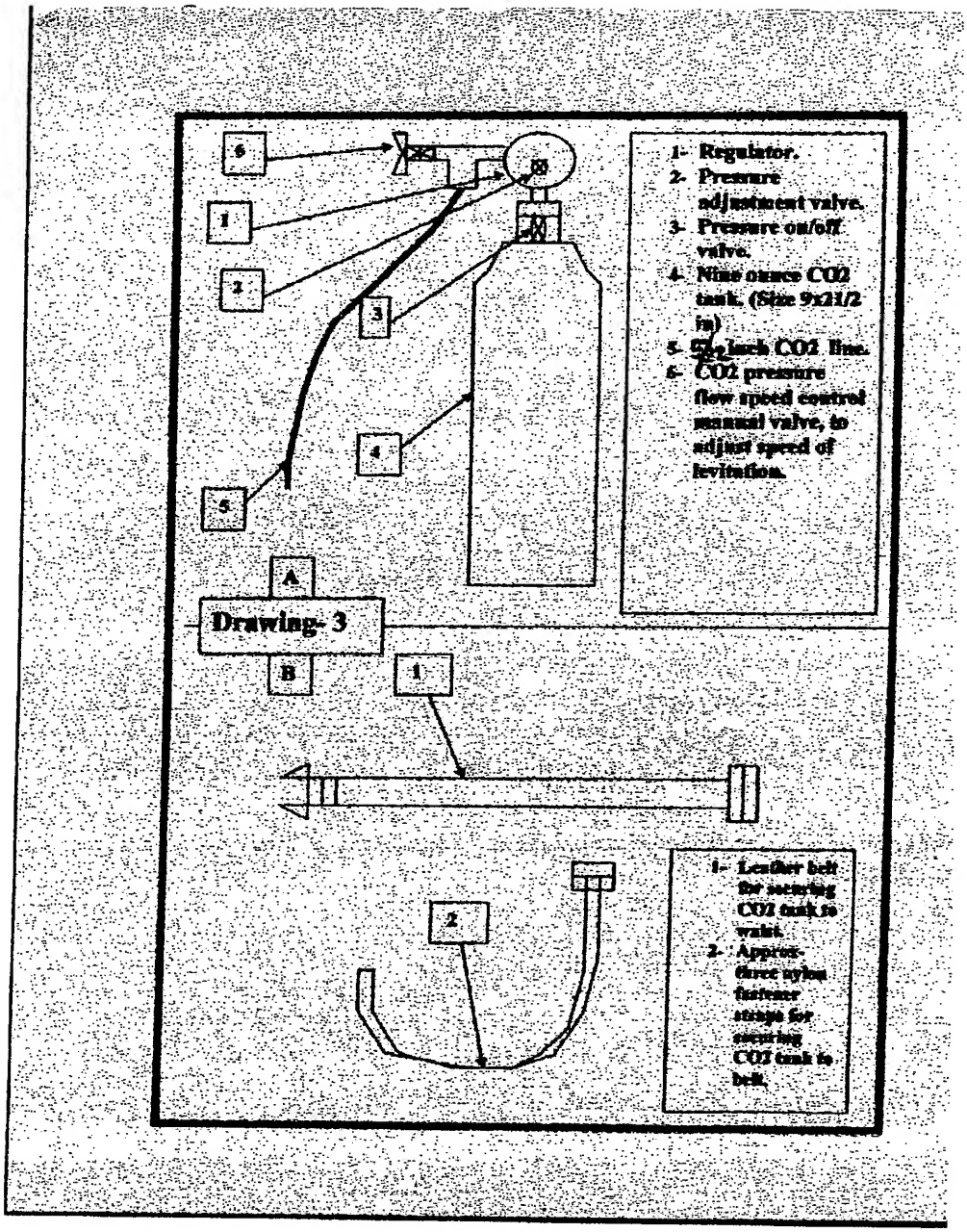
6
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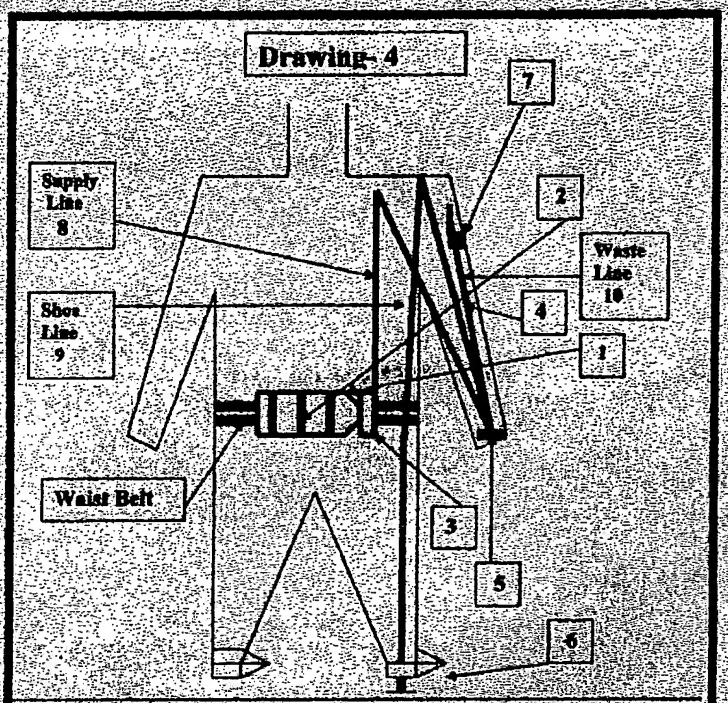

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7- In line air speed control valve.

For Reference Only

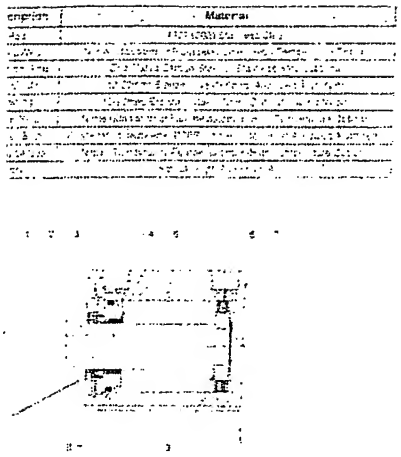
3-Way Valves "3" Series

The Pneumacyne "3" Series are 3-way normally closed fully ported valves.

Closed cross-over The normally closed "3" Series features a stem and poppet that work in conjunction with one another. The poppet seals the exhaust port before it opens to flow. There is no transitional state from one function to the next providing the operator precise control between positions.

The addition of the **threaded exhaust port** makes it possible to direct and capture the exhaust flow in liquid, clean-room or lubricated air applications.

Mufflers can also be threaded in the exhaust port for noise control.

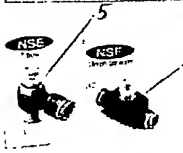


FEATURES

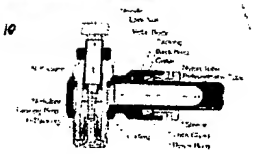
- Speed Controllers precisely permit the optimal rate of airflow for the smooth cylinder movement of a driving device.
- The compact design provides a comparable range of speed as the larger standard speed controllers do.
- Compact and light body is suitable for pneumatic applications where space is at a minimum.
- Unidirectional airflow is available for either exhaust or inlet flow control methods.

SPECIFICATIONS

Operational Function	(within other types of valves)
Operating Pressure Range	[illegible]
Check valve operating pressure	[illegible]
Operating Temperature Range	[illegible]
Recommended Fluid Media	[illegible]



STRUCTURAL DIAGRAM



FEATURES

- Two embedded bearings better accommodate speed rotation and swinging of pneumatic cylinder.
- Built-in bearing accommodates the rotation swinging of pneumatic cylinders.
- Rotary joints are constructed to freely absorb vibration or tubing movements.

STRUCTURAL DIAGRAM